

System for Disinfecting Shopping Carts

Abstract

The present invention provides a system for disinfecting shopping carts. In one embodiment, the system comprises a treatment station for applying a disinfectant to a shopping cart and a conveyor system for transporting carts relative to the treatment station at two different speeds so as to effect a nesting operation. In another embodiment, the system comprises a treatment station that is comprised of a first modular unit and a second modular unit that each perform different functions but can readily joined to one another to form a treatment station with the desired features for a particular application. In yet another embodiment, certain features of the modular units are symmetrical relative to a lateral plane to facilitate the joining of the units to one another in different orders. A further embodiment comprises a treatment station with a molded structure. In yet another embodiment, the system comprises a treatment station for applying a liquid disinfectant to a shopping cart and that is designed to be resistant to freezing in cold environments.